

Attorney Docket No.: BEAU 4 US



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial No.: 10/049,992

Group Art Unit: 1646

371 (c) Date: October 07, 2002

Applicant: Beaulieu, A. et al.

Examiner: C.T. Ostrup/F.Krass
handling related case

Title: SOLID WOUND HEALING
FORMULATIONS CONTAINING FIBRONECTIN

CERTIFICATE OF HAND DELIVERY

U.S. Patent and Trademark Office
2011 South Clark Place
Customer Window, Mail Stop Non-Fee Amendment (IDS)
Crystal Plaza Two, Lobby, Room 1B03
Arlington, Virginia 22202

Sir:

I hereby certify that the following documents:

1. Supplemental Information Disclosure Statement Cover Letter dated March 25, 2004 -- Two (2) pages;
2. Form PTO-1449 (modified) -- Seven (7) pages; and
3. References Nos. 39-106.

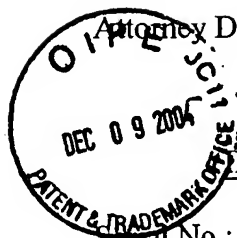
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Arlington, Virginia 22202 on March 30, 2004

Sam Zaghmout

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

U.S. Patent and Trademark Office
2011 South Clark Place
Customer Window, Mail Stop Non-Fee Amendment (IDS)
Crystal Plaza Two, Lobby, Room 1B03
Arlington, Virginia 22202

Sir:

The PTO did not receive the following
listed items(s) For and NPLs

Pursuant to 37 CFR § 1.56, Applicants request that the references cited in the accompanying Form PTO-1449 containing references 39-106 to be considered by the Examiner in the above-identified application and made of record therein. Copies of the cited references are enclosed.

The references submitted in this Supplemental Information Disclosure Statement were listed in the bibliographies of Provisional Application Serial Numbers 60/149,958, filed August 20, 1999 and Provisional Application Serial Number 60/182,412, filed February 14, 2000. If a reference in the bibliographies was previously cited in this case, the reference was not duplicated in the accompanying Form PTO-1449.

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If the Examiner needs additional information or would like to receive the enclosed information in a different format, the Examiner is requested to call or e-mail the undersigned.

The Information Disclosure Statement submitted herewith is being filed before the mailing of a first Office Action on the merits.

The Commissioner is hereby authorized to charge any additional fees, or to credit any overpayment, to Deposit Account No. 15-0699. A duplicate copy of this sheet is attached.

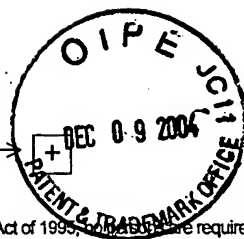
Respectfully submitted,

Date: March 25, 2004



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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1A of 7-A

Complete if Known

Application Number	10/049,002
Filing Date	October 07, 2002
First Named Inventor	A. Beaulieu
Group Art Unit	1646
Examiner Name	Ostrup, Clinton T. (related case)
Attorney Docket Number	Beau 4 US

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	39	SMAGLIK, P. "Promise and Problems Loom for Stem Cell Gene Therapy," The Scientist (1999), page 14, vol.13, no.15 and larger print version from The Scientist website	
	40	BROWN, C.D. et al., "A Review of Topical Agents for Wounds and Methods of Wounding-- Guidelines for Wound Management, Journal of Dermatology Surgery and Oncology, 1993, pages 732-737, vol. 19	
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	49	RUOSLAHTI, E. et al., "Fibronectin Purification, Immunochemical Properties, and Biological Activities," Methods in Enzymology, 1982, pages 803-831, vol. 82	

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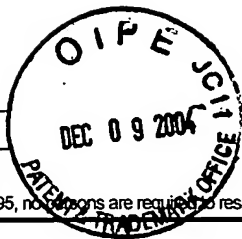
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First Named Inventor	A. Beaulieu
Group Art Unit	1646
Examiner Name	Ostrup, Clinton T. (related case)
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Sheet 2A of 7-A

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	50	HARAHAP, M., "Differential Diagnosis of Leg Ulcers," Clinics in Dermatology, 1990, pages 1-3, Vol. 8, No. 3/4	
	51	HARAHAP, M., "Leg Ulcers Caused by Bacterial Infections," Clinics in Dermatology, 1990, pages 49-65, Vol. 8, No. 3/4	
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	56	MULDER, G.D., "Clinical Protocols for Studying Wound Healing," Clinical Materials, 1991, pages 251-255, Vol. 8	

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Sheet 3A of 7-A

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Filing Date	October 07, 2002
First Named Inventor	A. Beaulieu
Group Art Unit	1646
Examiner Name	Ostrup, Clinton T. (related case)
Attorney Docket Number	Beau 4 US

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	57	SINGER, A. J. et al., "Cutaneous Wound Healing," New England Journal of Medicine, 1999, pages 738-746, Vol. 341, No. 10	
	58	CLARK, R. A. F., "Potential Roles of Fibronectin in Cutaneous Wound Repair," Arch. Dermatol., 1988, pages 201-206, Vol. 124	
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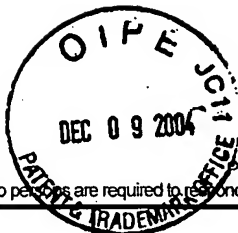
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Sheet 4A of 7-A

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	68	CZOP, J. K., "Phagocytosis of Particulate Activators of the Alternative Complement Pathway: Effects of Fibronectin," Advances in Immunology, 1986, pages 361-398, Vol. 38	
	69	BEVILACQUA, M. P. et al., "Receptors for Cold-Insoluble Globulin (Plasma Fibronectin) on Human Monocytes," J. Exp. Medicine, 1981, pages 42-60, vol. 153	
	70	POMMIER, C. G. et al., "Plasma Fibronectin Enhances Phagocytosis of Opsonized Particles by Human Peripheral Blood Monocytes," J. Exp. Medicine, 1983, pages 1844-1854, Vol. 157	
	71	BROWN, E. J., "The Role of Extracellular Matrix Proteins in the Control of Phagocytosis," Journal of Leukocyte Biology, 1986, pages 579-591, Vol. 39	
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	74	CLARK, R. A. F. et al., "Fibronectin, as Well as Other Extracellular Matrix Proteins, Mediate Human Keratinocyte Adherence," Journal of Investigative Dermatology, 1985, pages 378-383, Vol. 84	
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	76	MACARAK, E. J. et al., "Adhesion of Endothelial Cells to Extracellular Matrix Protein," Journal of Cellular Physiology, 1983, pages 76-86, Vol. 116	
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	78	CLARK, R. A. F. et al., "Either Exogenous or Endogenous Fibronectin Can Promote Adherence of Human Endothelial Cells," J. Cell. Sci., 1986, pages 263-280, Vol. 82	

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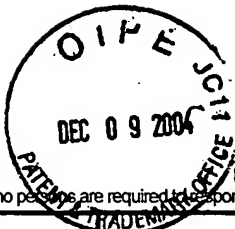
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 5A of 7-A

Complete if Known

Application Number	10/049,992
Filing Date	October 07, 2002
First Named Inventor	A. Beaulieu
Group Art Unit	1646
Examiner Name	Ostrup, Clinton T. (related case)
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	79	HORSBURGH, C. R. et al., "Lymphokines and Platelets Promote Human Monocyte Adherence to Fibrinogen and Fibronectin in Vitro," Journal of Leukocyte Biology, 1987, pages 14-24, Vol. 41	
	80	GRINNELL, F. et al., "Distribution of Fibronectin During Wound Healing in Vivo," The Journal of Investigative Dermatology, 1981, pages 181-189, Vol. 76, No. 3	
	81	REPESH, L. A. et al., "Fibronectin Involvement in Granulation Tissue and Wound Healing in Rabbits," The Journal of Histochemistry and Cytochemistry, 1982, pages 351-358, Vol. 30, No. 4	
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	84	HEDMAN, K. et al., "Isolation of the Pericellular Matrix of Human Fibroblast Cultures," J. Cell Biology, 1979, pages 83-91, Vol. 81	
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	87	CARTER, W. G., "The Role of Intermolecular Disulfide Bonding in Deposition of GP140 in the Extracellular Matrix," Journal of Cell Biology, 1984, pages 105-114, Vol. 99	
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Signature

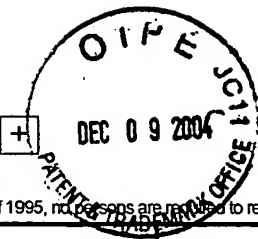
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Sheet 6A of 7-A

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	90	CHENG, C.Y. et al., "Fibronectin Enhances Healing of Excised Wounds in Rats," Arch. Dermatol., 1988, pages 221-225, Vol. 124	
	91	KONO, I. et al., "Beneficial Effect of Topical Fibronectin in Patients with Keratoconjunctivitis Sicca of Sjogren's Syndrome," Journal of Rheumatology, 1985, pages 487-489, Vol. 12	
	92	NISHIDA, T. et al., "Fibronectin Enhancement of Corneal Epithelial Wound Healing of Rabbits In Vivo," Arch. Ophthalmol., 1984, pages 455-456, Vol. 102	
	93	WHITE, H., "A Heteroskedasticity-Consistent Covariance Matrix Estimator and a Direct Test for Heteroskedasticity," Econometrica, 1980, pages 817-838 Vol. 48, Issue 4	
	94	COLLETT, D., "Model Checking in the Proportional Hazards Model," Chapter 5 in Modelling Survival Data in Medical Research, 1994, 1 st edition, Chapman & Hall, London; New York	
	95	KATZ, M.H. et al., "Proportional Hazards (Cox) Regression," Journal of General Internal Medicine, 1993, pages 702-711, Vol. 8	
	96	SCHEMPER, M., "Cox Analysis of Survival Data with Non-Proportional Hazard Functions," Statistician, 1992, pages 455-465, Vol. 41, Issue 4	
	97	GREENLAND, S., "Modeling and Variable Selection in Epidemiologic Analysis," American Journal of Public Health, 1989, pages 340-349, Vol. 79, No. 3	
	98	ROBINS, J. M. et al., "The Role of Model Selection in Causal Inference from Nonexperimental Data," American Journal of Epidemiology, 1986, pages 392-402, Vol. 123, No. 3	
	99	FALANGA, V., "Care of Venous Leg Ulcers," Ostomy/Wound Management, 1999, pages 33S-43S, Vol 45 (Suppl. 1A)	
	100	MARGOLIS, D. et al., "Risk Factors Associated with the Failure of a Venous Leg Ulcer to Heal," Arch. Dermatol., 1999, pages 920-926, vol. 135	

Examiner Signature	Date Considered
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Sheet 7A of 7-A

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Attorney Docket Number	Beau 4 US

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	101	MARSTON, W. A. et al., "Healing Rates and Cost Efficacy of Outpatient Compression Treatment for Leg Ulcers Associated with Venous Insufficiency," J. Vasc. Surgery, 1999, pages 491-98, Vol. 30, No. 3	
	102	OLIN, J. W. et al., "Medical Costs of Treating Venous Stasis Ulcers; Evidence from a Retrospective Cohort Study," Vascular Medicine, 1999, pages 1-7, Vol. 4	
	103	PHAN, T.-M. M. et al., "Topical Fibronectin in the Treatment of Persistent Corneal Epithelial Defects and Trophic Ulcers," American Journal of Ophthalmology, 1987, pages 494-501, Vol. 104	
	104	FLEISS, J., Statistical Methods for Rates and Proportions, 1981, pages 38-42, John Wiley and Sons, New York	
	105	LACHIN, J. M. et al., "Evaluation of Sample Size and Power for Analyses of Survival with Allowance for Nonuniform Patient Entry, Losses to Follow-Up, Noncompliance, and Stratification," Biometrics, 1986, pages 507-519, Vol. 42, issue 3	
	106	HOSMER, D. et al., Applied Logistic Regression, 1989, pages 149-170, John Wiley and Sons, New York	

Examiner
Signature

Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



Rec'd PCT/PTO 02 JUN 2003

PATENT
Attorney Docket Number: BEAU 4 US

CERTIFICATE OF HAND DELIVERY

I hereby certify that this correspondence is being hand filed with the United States Patent and Trademark Office in Washington, DC. 20231.

on June 02, 2003
(Date)

Typed or printed name of person signing this certificate

Dr. O.M. (Sam) Zaghmout
Signature O.M. Zaghmout

Attachments: List of the documents which are hand delivered to the USPTO are shown below:

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Beaulieu, A. et al.

Application Serial Number: 10/049,992.

Title: SOLID WOUND HEALING FORMULATIONS CONTAINING FIBRONECTIN.

Filing Date: August 21, 2000

Art Unit: 1614

Examiner: C. T. Ostrup

Mail Stop: Non-Fee Amendment (IDS)

Honorable Commissioner of Patents
P.O. BOX 1450
Alexandria, VA 22231-1450

Dear Sir:

Please find enclosed the following documents (Total: 10 items. Total number of pages: 31). These documents were hand-delivered to the PCT office (8 th floor, Reception Office).

1. Information Disclosure Statement cover letter. Date of the letter is May 13, 2003. (Three pages). Two copies (total: six pages)
2. Information Disclosure Statement by Applicant (Substitute to form 1449A/PTO)-Four pages.
3. Form PTO-1449 (modified)-Two pages.
4. Form PTO-A820-One page.
5. PTO-892 (Notice of the references cited)-One page.
6. Form PTO-1449 (Modified)-Two pages.
7. Information Disclosure Statement by Applicant (Substitute to form 1449A/PTO)-Ten pages.
8. PTO-A820. One page.
9. PTO-892- Two pages.
10. Information Disclosure Statement by Applicant (Substitute to form 1449A/PTO)-Four pages.

 **COPY** c'd PCT/PTO 02 JUN 2003
PATENT



Attorney Docket No.: BEAU 4 US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial No.: 10/049,992

Group Art Unit: 1614

Based on International Application No. PCT/CA00/00953

Applicant: Beaulieu, A. et al.

Examiner: C.T. Ostrup

International Application Filing Date: August 21, 2000

Title: SOLID WOUND HEALING
FORMULATIONS CONTAINING FIBRONECTIN

INFORMATION DISCLOSURE STATEMENT

Mail Stop Non-Fee Amendment (IDS)
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with to 37 CFR § 1.56, applicants identify the following related
U.S. patent applications, which are relied on upon by this application for an earlier filing
date under 35 USC § 120:

Attorney Docket No.: BEAU 4 US

Case No.	Docket Number	Application Number	Filing Date (mm-dd-yy)	Priority Date (mm-dd-yy)	Priority Application	Status of Case
1	Beau 1	08/488,253	06-07-95	06-07-95	-----	ISSUED 06-24-97 - U.S. Patent 5,641,483
2	Beau 2	08/767,868	12-17-96	06-07-95	Case 1	ISSUED 10-13-98 - U.S. Patent 5,821,220
3	Beau 2 USA	09/331,344	06-16-99	06-07-95 12-17-96	Case 1 Case 2	ISSUED 03-04-03 U.S. Patent 6,528,483 B2
4	Beau 3	08/879,159	06-19-97	06-07-95	Case 1	ISSUED 03-02-99 - U.S.P. 5,877,149
5	Beau 3 DIV	09/245,785	02-05-99	06-06-95	Case 1	ISSUED 06-26-2001 - U.S.P. 6,251,859
6	Beau 3 2 ND DIV	09/862,971	05-22-01	06-06-95	Case 1	ABANDONED
7	Beau 3 3 rd DIV USA	10/108,206	03-26-02	06/07/95 06/19/97 02/05/99 05/22/01	Case 1 Case 4 Case 5 Case 6	To be abandoned
8	Beau 5	10/145,678	05-15-02	05-15-01	Note ¹	PENDING

All references listed on the annexed PTO-1449, PTO-892 and PTO-A820 forms are of record in the above-identified cases and are not enclosed with this document, in accordance with 37 C.F.R. 1.98 (d).

If the Examiner needs additional information or would like to receive the enclosed information in a different format, he is requested to call or e-mail the undersigned.

The Information Disclosure Statement submitted herewith is being filed before the mailing of a first Office Action on the merits.

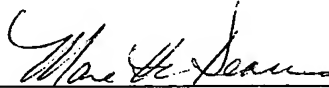
¹ Beau 5 also claims the priority of the earlier filed U.S. cases, including the present application.

Attorney Docket No.: BEAU 4 US

The Commissioner is hereby authorized to charge any additional fees, or to credit any overpayment, to Deposit Account No. 15-0699. A duplicate copy of this document is attached for fee processing.

Respectfully submitted,

Date: May 13, 2003



Manette Dennis (Reg. No. 30,623)
Ostrager Chong & Flaherty LLP
825 Third Avenue 30th Floor
New York, New York 10022
Tel.: 212 826-6565

Fax: 212 826-5909
mdennis@ocflaw.com

Form PTO-1449
(Modified)

Attorney Docket: Beau 2 US

UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Beaulieu et al.

Serial No.: 09/331,344

Filed: August 21, 1999

Title: Wound Healing Formulations Containing Human Plasma
Fibronectin

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUB- CLASS	FILING DATE

Examiner:

Date Considered:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATIONS

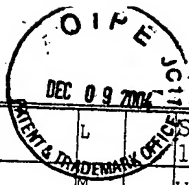
EXAM- INER INITIAL	DOCUMENT NUMBER	PUBLI- CATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUB- CLASS	TRANS- LATION	
						YES	NO
A	EP 0 312 208	4/19/89	European Patent Office	A61K	37/02		
B	EP 0 592 380 A1	4/13/94	European Patent Office	A61K	37/02		
C	WO 89/05653	6/29/89	World Intellectual Property Organization	A61K	37/02		
D	WO 90/13653	11/15/90	World Intellectual Property Organization	C12N	15/62		
E	WO 91/15233	10/17/91	World Intellectual Property Organization	A61K	37/48		
F	WO 93/08825	5/13/93	World Intellectual Property Organization	A61K	37/02		

OTHER DOCUMENTS

(Including Author, Title, Date, Relevant Pages, Place of Publication)

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H	Harper, HA. Harper's Biochemistry. Appleton & Lange: Norwalk, Connecticut, 1988.
I	Hynes, RO. Fibronectins. Springer-Verlag: New York, 1990. pp 12-14
J	Lehninger, AL. Principles of Biochemistry. Worth: New York, 1990. pp 12-14

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L	Stryer, L. Biochemistry. W.H. Freeman: New York, 1995.
M	Van Holde, KE. Johnson, WC. Ho, PS. Principles of Biochemistry. Prentice Hall: Upper Saddle River, New Jersey, 1998. pp 16-17
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O	Horowitz, B., Chang, MY. "Preparation of Fibronectin for Therapeutic Administration in Mosher, DF. Fibronectin. Academic Press: San Diego, 1989. pp 441-455
P	Sibbald, RG. Ostomy/Wound Management 44(9). 1998. pp 52-58, 60-66.

Examiner:	Date Considered:
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Notice of References Cited

Application No. 08/767,868	Applicant(s) Beaulicu et al.
Examiner Frederick Krass	Group Art Unit 1501
Page 1 of 1	

U.S. PATENT DOCUMENTS

	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS
A	4,341,764	7-1982	Wallace et al.	424	101
B				----	----
C					
D					
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FOREIGN PATENT DOCUMENTS

	DOCUMENT NO.	DATE	COUNTRY	NAME	CLASS	SUBCLASS
N						
O						
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Q						
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T						

NON-PATENT DOCUMENTS

	DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
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V		
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Group Art Unit	1501
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[illegible]

REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
A	0 443 224 A1	08-28-91	Europe				
B	0 179 477 A3	04-30-86	Europe				

[illegible]

DATE CONSIDERED

SHEET 1 OF 1



Form PTO-1449
(Modified)

UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Andre Beaulieu MD FRCP(C)

Serial No.: 08/488,253

Group:

Filed: June 7, 1995

Title: WOUND HEALING FORMULATION CONTAINING
HUMAN PLASMA FIBRONECTIN

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUB- CLASS	FILING DATE
	A	4,455,300	06/19/84	WALLACE ET AL.	424	101	05/25/82
	B	4,740,498	04/26/88	HIRAO ET AL.	514	8	10/23/85
	C	4,925,924	05/15/90	SILVER ET AL.	530	356	10/26/87
	D	4,973,466	11/27/90	REICH	424	426	06/21/88
	E	5,045,631	09/03/91	KIMIZUKA ET AL.	530	350	02/13/89
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	H	5,124,155	06/23/92	REICH	424	428	09/17/90

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATIONS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUB- CLASS	TRANSLATIO N	
							YES	NO
	I	WO 90/08833	08/09/90	PCT				
	J	WO 92/12739	08/06/92	PCT				
	K	WO 92/13003	08/06/92	PCT				
	L	WO 91/15233	10/17/91	PCT				
	M	WO 90/06767	06/28/90	PCT				
	N	WO 90/13653	11/15/90	PCT				
	O	EP 0 312 208A1	04/19/89					
	P	EP 0 407 008A2	04/29/89					

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Form PTO-1449
(Modified)



UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Andre Beaulieu MD FRCP (C)

Group:

Serial No.: 08/488,253

Filed: June 7, 1995

Title: WOUND HEALING FORMULATION CONTAINING
HUMAN PLASMA FIBRONECTIN

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

T	Wishida, T. et al., Rapid Preparation of Purified Autologous Fibronectin Eyedrops, Jpn. J. Ophthalmol (1982) 26:416-24.
U	Phan, T. M. et al., Topical Fibronectin in the Treatment of Persistent Corneal Epithelial Defects and Trophic Ulcers, Am. J. Ophthalmol (1987) 104:494-501.
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X	Horowitz, B. et al., Solvent/Detergent-Treated Plasma: A Virus-Inactivated Substitute for Fresh Frozen Plasma, Blood (1992) 79:826-31.
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BB	Horowitz, N. et al., Preparation of Fibronectin for Therapeutic Administration, IN: D.F. Mosher (ed.), Fibronectin, pages 441-55, San Diego, Academic Press (1989).
CC	Franz, T.J., Percutaneous Absorption. On the Relevance of In Vitro Data, J Invest Dermatol (1975) 64:190-95.
DD	Bronaugh, R.L. et al., Methods for In Vitro Percutaneous Absorption Studies I: Comparison with In Vivo Results, Toxicol Appl Pharmacol (1982) 62:474-80.
EE	Bronaugh, R.L. et al., Methods for In Vitro Percutaneous Absorption Studies IV: The Flow-Through Diffusion Cell, J Pharm Sci (1985) 74:64-67.
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JJ	Pharmaceuticals and Specialties Compendium, page 1215, Canadian Pharmaceutical Assn. (1995).

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TO SEPARATE, HOLD TOP AND BOTTOM EDGES, SNAP-APART AND DISCARD CARBON

FORM PTO-892 (REV. 2-92)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		SERIAL NO. 08/488,253		GROUP/ART UNIT 1501		ATTACHMENT TO PAPER NUMBER 3						
NOTICE OF REFERENCES CITED				APPLICANT(S) Beaulieu										
U.S. PATENT DOCUMENTS														
*		DOCUMENT NO.						DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE		
A		5	4	2	7	7	7	8	6-95	Finkensaur et al	424	78.08		
B		4	9	2	9	4	4	2	5-90	Powell	424	85.2		
C		4	8	3	7	0	1	9	6-89	Georgakis et al	424	101		
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FOREIGN PATENT DOCUMENTS														
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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)														
R														

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1995. No persons are required to

Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTO

Complete if Known

(use as many sheets as necessary)

Sheet	1	of	10
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Application Number	09/331,344
Filing Date	10/01/01 based on 08/21/99
First Named Inventor	A. Beaulieu
Group Art Unit	1614
Examiner Name	F. Krass
Attorney Docket Number	Beau 2 US CPA CPA

U.S. PATENT DOCUMENTS						
Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	100	4,001,442		Stahlberger et al.	01-04-77	
	101	4,243,656		Walliczek	01-06-81	
	102	4,347,841		Benyo et al.	09-07-82	
	103	4,361,552		Baur, Jr.	11-30-82	
	104	4,458,678		Yannas et al.	07-10-84	
	105	4,570,629		Widra	02-18-86	
	106	4,587,284		Luissi et al.	05-06-86	
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	108	4,664,105		Dautzenberg et al.	05-12-87	
	109	4,703,108		Silver et al.	10-27-87	
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	111	4,919,939		Baker	04-24-90	
	112	4,937,230		Pickart	06-26-90	
	113	4,937,323		Silver et al.	06-26-90	
	114	4,939,135		Robertson et al.	07-03-90	
	115	4,947,840		Yannas et al.	08-14-90	
	116	4,960,413		Sagar et al.	10-02-90	
	117	4,981,841		Gibson	01-01-91	
	118	4,983,580		Gibson	01-08-91	
	119	5,019,096		Fox, Jr. et al.	05-28-91	

[illegible]

Examiner
Signature

Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Complete if Known

(use as many sheets as necessary)

Sheet	2	of	10
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Application Number	09/331,344
Filing Date	10/01/01 based on 08/21/99
First Named Inventor	A. Beaulieu
Group Art Unit	1614
Examiner Name	F. Krass
Attorney Docket Number	Beau 2 US CPA CPA

U.S. PATENT DOCUMENTS						
Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	120	5,045,601		Capelli et al.	09-03-91	
	121	5,053,388		Gibson et al.	10-01-91	
	122	5,064,653		Sessions et al.	11-12-91	
	123	5,076,265		Wokalek	12-31-91	
	124	5,124,392		Robertson et al.	06-23-92	
	125	5,128,321		Murray et al.	07-07-92	
	126	5,143,071		Keusch et al.	09-01-92	
	127	5,196,185		Silver et al.	03-23-93	
	128	5,196,196		Scott et al.	03-23-93	
	129	5,206,023		Hunziker	04-27-93	
	130	5,260,066		Wood et al.	11-09-93	
	131	5,270,300		Hunziker	12-14-93	
	132	5,271,939		Robertson et al.	12-21-93	
	133	5,273,900		Boyce	12-28-93	
	134	5,304,378		Koga et al.	04-19-94	
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	136	5,360,611		Robertson et al.	11-01-94	
	137	5,366,508		Brekke	11-22-94	
	138	5,368,858		Hunziker	11-29-94	
	139	5,393,602		Urry	02-28-95	

[illegible]

Date Considered

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231.

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DEC 09 2004
PATENT & TRADEMARK OFFICE

Complete if Known

(use as many sheets as necessary)

Application Number	09/331,344
Filing Date	10/01/01 based on 08/21/99
First Named Inventor	A. Beaulieu
Group Art Unit	1614
Examiner Name	F. Krass
Attorney Docket Number	Beau 2 US CPA CPA

U.S. PATENT DOCUMENTS						
Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	140	5,395,398		Rogozinski	03-07-95	
	141	5,401,509		Robertson et al.	03-28-95	
	142	5,401,510		Robertson et al.	03-28-95	
	143	5,428,010		Murray et al.	06-27-95	
	144	5,453,492		Bulzow et al.	09-26-95	
	145	5,462,536		Braatz et al.	10-31-95	
	146	5,466,462		Rosenthal et al.	11-14-95	
	147	5,480,877		Mosher, Jr. et al.	01-02-96	
	148	5,498,600		Murray et al.	03-12-96	
	149	5,514,647		Horowitz et al.	05-07-96	
	150	5,516,896		Murray et al.	05-14-96	
	151	5,520,672		Urry	05-28-96	
	152	5,525,349		Robertson et al.	06-11-96	
	153	5,534,026		Manders et al.	07-09-96	
	154	5,567,612		Vacanti et al.	10-22-96	
	155	5,573,775		Robertson et al.	11-12-96	
	156	5,580,570		Robertson et al.	12-03-96	
	157	5,582,835		Robertson et al.	12-10-96	
	158	5,589,184		Robertson et al.	12-31-96	
	159	5,589,185		Robertson et al.	12-31-96	

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Complete if Known

Application Number	09/331,344
Filing Date	10/01/01 based on 08/21/99
First Named Inventor	A. Beaulieu
Group Art Unit	1614
Examiner Name	F. Krass
Attorney Docket Number	Beau 2 US CPA CPA

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Sheet	4	of	10
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U.S. PATENT DOCUMENTS						
Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	160	5,599,558		Gordinier et al.	02-04-97	
	161	5,599,788		Purchio et al.	02-04-97	
	162	5,604,200		Taylor-McCord	02-18-97	
	163	5,604,204		Ammann et al.	02-18-97	
	164	5,605,938		Roufa et al.	02-25-97	
	165	5,607,694		Marx	03-04-97	
	166	5,610,148		Brown	03-11-97	
	167	5,613,982		Goldstein	03-25-97	
	168	5,624,893		Yanni	04-29-97	
	169	5,629,287		Brown et al.	05-13-97	
	170	5,629,292		Rodgers et al.	05-13-97	
	171	5,631,011		Wadstrom	05-20-97	
	172	5,631,019		Marx	05-20-97	
	173	5,651,982		Marx	07-29-97	
	174	5,654,267		Vuori et al.	08-05-97	
	175	5,654,270		Ruoslahti et al.	08-05-97	
	176	5,654,273		Gallo et al.	08-05-97	
	177	5,665,373		Robertson et al.	09-09-97	
	178	5,672,336		Sharma	09-30-97	
	179	5,676,967		Williams et al.	10-14-97	

[illegible]Date
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Sheet	5	of	10
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Complete if Known

Application Number	09/331,344
Filing Date	10/01/01 based on 08/21/99
First Named Inventor	A. Beaulieu
Group Art Unit	1614
Examiner Name	F. Krass
Attorney Docket Number	Beau 2 US CPA CPA

U.S. PATENT DOCUMENTS						
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		Number	Kind Code ² (if known)			
	180	5,681,568		Goldin et al.	10-28-97	
	181	5,686,425		Lee	11-11-97	
	182	5,691,423		Smith et al.	11-25-97	
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	188	5,709,854		Griffith-Cima et al.	01-20-98	
	189	5,714,588		Purchio et al.	02-03-98	
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	197	5,744,442		Richards et al.	04-28-98	
	198	5,759,570		Arnold	06-02-98	
	199	5,763,399		Lee	06-09-98	

[illegible]

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First Named Inventor	A. Beaulieu
Group Art Unit	1614
Examiner Name	F. Krass
Attorney Docket Number	Beau 2 US CPA CPA

U.S. PATENT DOCUMENTS						
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		Number	Kind Code ² (if known)			
	200	5,763,416		Bonadio et al.	06-09-98	
	201	5,766,631		Arnold	06-16-98	
	202	5,767,079		Glaser et al.	06-16-98	
	203	5,770,417		Vacanti et al.	06-23-98	
	204	5,780,244		Engvall et al.	07-14-98	
	205	5,782,788		Widemire	07-21-98	
	206	5,798,116		Brown	08-25-98	
	207	5,804,178		Vacanti et al.	09-08-98	
	208	5,820,874		Mahoney et al.	10-13-98	
	209	5,827,735		Young et al.	10-27-98	
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	211	5,830,504		Vuori et al.	11-03-98	
	212	5,833,665		Bootman et al.	11-10-98	
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	216	5,843,156		Slepian et al.	12-01-98	
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	218	5,843,741		Wong et al.	12-01-98	
	219	5,846,604		Caldwell	12-08-98	

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Attorney Docket Number	Beau 2 US CPA CPA

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		Number	Kind Code ² (if known)			
	220	5,851,833		Atala	12-22-98	
	221	5,851,993		Jalkanen et al.	12-22-98	
	222	5,854,205		O'Reilly et al.	12-29-98	
	223	5,854,221		Cao et al.	12-29-98	
	224	5,855,610		Vacanti et al.	01-05-99	
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	229	5,899,936		Goldstein	05-04-99	
	230	5,902,741		Purchio et al.	05-11-99	
	231	5,904,717		Brekke et al.	05-18-99	
	232	5,910,489		Falk et al.	06-08-99	
	233	5,919,702		Purchio et al.	07-06-99	
	234	5,928,633		Fukuyama et al.	07-27-99	
	235	5,928,635		Schmidt	07-27-99	
	236	5,932,207		Schmidt	08-03-99	
	237	5,932,552		Blanchard et al.	08-03-99	
	238	5,935,594		Ringeisen et al.	08-10-99	
	239	5,942,496		Bonadio et al.	08-24-99	

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Filing Date	10/01/01 based on 08/21/99
First Named Inventor	A. Beaulieu
Group Art Unit	1614
Examiner Name	F. Krass
Attorney Docket Number	Beau 2 US CPA CPA

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Sheet	8	of	10
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		Number	Kind Code ² (if known)			
	240	5,945,403		Folkman et al.	08-31-99	
	241	5,948,432		Timmons et al.	09-07-99	
	242	5,955,430		Rodgers et al.	09-21-99	
	243	5,955,978		Pierschbacher et al.	09-21-99	
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	255	6,020,326		Roufa et al.	02-01-00	
	256	6,024,688		Folkman et al.	02-15-00	
	257	6,037,139		Greenspan et al.	03-14-00	
	258	6,040,493		Cooke et al.	03-21-00	
	259	6,054,504		Dalla Riva Toma	04-25-00	

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Sheet 9 of 10

Application Number	09/331,344
Filing Date	10/01/01 based on 08/21/99
First Named Inventor	A. Beaulieu
Group Art Unit	1614
Examiner Name	F. Krass
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U.S. PATENT DOCUMENTS

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		Number	Kind Code ² (if known)			
	260	6,054,122		MacPhee et al.	04-25-00	
	261	6,056,970		Greenawalt et al.	05-02-00	
	262	6,071,447		Boelman et al.	06-06-00	
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	265	6,090,911		Petka et al.	07-18-00	
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	268	6,110,208		Soranzo et al.	08-29-00	
	269	6,110,487		Timmons et al.	08-29-00	
	270	6,113,932		Hoath et al.	09-05-00	
	271	6,117,425		MacPhee et al.	09-12-00	
	272	6,123,957		Jernberg	09-26-00	
	273	6,124,265		Timmons et al.	09-26-00	
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	276	6,129,761		Hubbell	10-10-00	
	277	6,159,495		Timmons et al.	12-12-00	
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	279	6,165,496		Timmons et al.	12-26-00	

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
	280	JP	5178897	A	Takara Shuzo Co Ltd.	07-20-93		
	281	DE	19905128	A1	Schering AG	08-10-00		
	282	EP	0179477	A	Green Cross Corp.	4-30-86		
	283	EP	0278103	A	American Cyanamid Co.	8-17-88		

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Sheet	10	of	10
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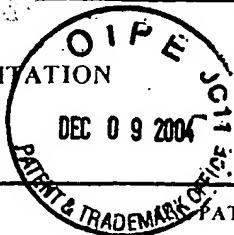
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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
	290	AU	573626		Johnson & Johnson	06-16-88		
	291	PCT/ US	WO 00/55206	A1	Wijelath et al.	09-21-00	page 25	
	292	JP	3232898	A	Takara Shuzo Co. Ltd.	10-16-91		
	293	CA	2,083,741	A1	W.R. Grace & Co.	07-25-93		
	294	PCT/ GB	WO 98/00180	A1	Johnson & Johnson Medical, Inc.	01-08-98		
	295	PCT/ GB	WO 98/00446	A1	Johnson & Johnson Medical, Inc.	01-08-98		
	296	EP	0901795	A2	Johnson & Johnson Medical, Inc.	03-17-99		
	297	JP	11-146909	A		06-02-99		
	298	EP	0901795	A3	Johnson & Johnson Medical, Inc.	11-29-00		

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08/879,159

Applicant(s)

Andre Beaulieu

Filing Date

June 19, 1997

Group Art Unit

1501

PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

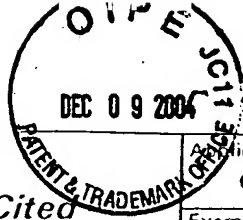
		Product Information Sheet for Improved Teflon Flow-Thru Diffusion Cell--- Crown Glass Company Inc.

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Application No. 08/879,159	Applicant(s) Beaulieu
Examiner Frederick Krass	Group Art Unit 1614
Page 1 of 1	

U.S. PATENT DOCUMENTS

	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS
A	5,457,093	10-1995	Cini et al.	514	12
B	4,594,884	6-1986	Bondi et al.	73	64.3
C					
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E					
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09/862,971

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BEAULIEU, ANDRE

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Frederick Krass

Art Unit

1614

Page 1 of 1

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*		Document Number	Date	Name	Classification	
		Country Code-Number-Kind Code	MM-YYYY			
	A	US-6,048,337	04-2000	Svedman	604	313
	B	US-				
	C	US-				
	D	US-				
	E	US-				
	F	US-				
	G	US-				
	H	US-				
	I	US-				
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*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)					
	U	Chemical Abstract 110,060, "Further contribution to the absorption of the active ingredient of Arthofluor ointment" (1982)					
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	W						
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U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	1	4,614,794		Easton et al.	09-30-1986	
	2	4,963,489		Naughton et al.	10-16-1990	
	3	4,970,216		Deckner et al.	11-13-1990	
	4	5,144,016		Skjak-Braek et al.	09-01-1992	
	5	5,238,685		Wren	08-24-1993	
	6	5,441,741		Cheong	08-15-1995	
	7	5,453,489		Ruoslahti et al.	09-26-1995	
	8	5,470,576		Patel	11-28 -1995	
	9	5,482,932		Thompson	01-09-1996	
	10	5,514,647		Horowitz et al.	05-07-1996	
	11	5,596,084		Sanderson et al.	01-21-1997	
	12	5,674,524		Scherr	10-07-1997	
	13	5,695,777		Donovan et al.	12-09-1997	
	14	5,840,777		Eagles et al.	11-24-1998	
	15	5,922,676		Pasqualini et al.	07-13-1999	
	16	5,958,874		Clark et al.	09-28-1999	

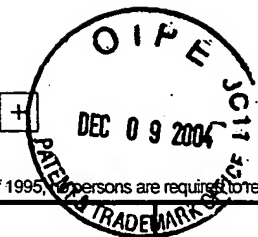
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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2 of 4

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Application Number	10/145,678
Filing Date	May 15, 2002
First Named Inventor	A. Beaulieu
Group Art Unit	1614
Examiner Name	Ostrup, Clinton T.
Attorney Docket Number	Beau 5

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	21	DRAGET, KURT I. et al., "Alginate based new materials," International Journal of Biological Macromolecules, 1997, Vol 21, pp 47-55, Elsevier Science B.V.	
	22	PIACQUADIO, D. et al., "Alginates," J. Dermatol. Surg. Oncol. 1992 18:990-98, Elsevier Science Publishing Co., Inc.	
	23	MOE, S. et al., "Calcium Alginate Gel Fibers: Influence of Alginate Source and Gel Structure on Fiber Strength," Journal of Applied Polymer Science, 51:1771-75 (1994), John Wiley & Sons, Inc.	
	24	Pronova Biopolymer, "Dermatology and Wound Healing, History and clinical use of alginate, ..." (Date of at least January 30, 1998) Prescott Canada World Chemical Distributors, Toronto and Montreal	
	25	POTTS, J.R. et al., "Fibronectin structure and assembly," Current Opinion in Cell Biology (1994) 6:648-552	
	26	GEHRKE, S.H. et al., "Hydrogels for Drug Delivery Systems," In Specialized Drug Delivery Systems Manufacturing and Production Technology, Chapter 8, (1990) Vol. 41, pp 333-392, Marcel Dekker, New York	
	27	MUSTOE, T.A. et al., "Growth Factor-induced Acceleration of Tissue Repair through Direct and Inductive Activities in a Rabbit Dermal Ulcer Model," J. Clin Invest (1991) 87: 694-703.	
	28	KORNBLIHTT et al., EMBO J. (1985) 4:1755-1759	
	29	BRADFORD, M., "A Rapid and Sensitive Method for the Quantitation of Microgram Quantities of Protein Utilizing the Principle of Protein-Dye Binding," Anal. Biochem. (1976) 72:248-254	
	30	RADOSEVICH, M., "Research and Development Commitments in an Integrated Plasma Collection and Plasma Fractionation Environment," Seminars in Thrombosis and Hemostasis. (1998) 24 (2) 157-161	
	31	HOROWITZ, B. et al., "Solvent/Detergent-Treated Plasma; A Virus-Inactivated Substitute for Fresh Frozen Plasma," Blood (1992) 79 (3):826-31	

Examiner Signature		Date Considered	
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Filing Date	May 15, 2002
First Named Inventor	A. Beaulieu
Group Art Unit	1614
Examiner Name	Ostrup, Clinton T.
Attorney Docket Number	Beau 5

Sheet	3	of	4
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Sheet 4 of 4

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First Named Inventor	A. Beaulieu
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	38	BOISJOLY, H.M. "Topical Fibronectin and Aprotinin for Keratectomy Wound Healing in Rabbits," Arch. Ophthalmol. 108:1758-63 (1990)	

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Signature

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